BOOK

ions		Contents	Reference to last Measurement
Breadth 5	Depth 6	7	8
		Total Rs: 2399097-00	
		YT - 47982-00	
		VAT - 95964-00	
		Cess - 23991-00	
		CSF - 2399-00	
		LR - 47982-00	
		FSD - 119955-00	
		Adj: 318273-00	
		Cheque: 20,80,824-00	

First and Final Bill

Job code: 010-17-000001

M.A.R. 57 (Rule 116)

Measurement Book No. A/10 192241

Serial No.....

Name of work Improvement to Rocks and drain at Gangamma Gudi Area in Ward No. 10 From..... To.....

Name of Contractor of nature of Agency Executive Engineer, ~~KREDL~~ BR-No: 632

Date of commencement of work..... 28.1.16

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	4	5	7	8
	Work order No: BBMP/EE/BTP/WO/108/2016-17/Date: 19.08.2016.						
	Est cost: 25.00 Lakhs						
	Date of Recording: 29.08.2016						
1)	Earth work excavation by manual means in ordinary soil including all lifts up to 2m and all leads up to 50m excavated surface leveled and sides neatly dressed the excavated earth to be leveled neatly after breaking of clods etc complete as per specification.						
	CC drain Rds church Backside Gangamma Gudi	1	30.00	1.00	1.00	30.00	
		1	30.00	1.00	1.00	30.00	
		1	30.00	1.00	1.00	30.00	
		1	30.00	1.00	1.00	30.00	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4.	5	6	7	8
		1	30.00	1.00	1.00	30.00	
		1	30.00	1.00	1.00	30.00	
		1	22.00	1.00	1.00	22.00	
	CC Road	1	30.00	(5.1+5.0)	0.10	15.15	
		1	30.50	5.00	0.10	15.25	
		1	18.00	5.00	0.10	9.00	
	culverts	2	6.20	2.00	1.20	29.76	
		1	6.00	2.00	1.20	14.40	
		1	5.90	2.00	1.20	14.16	
						196.60 m³	
				@ Rs.	83.16/m³		24665=00
	2) providing and laying in position plain cement concrete 1:6:12 mix with OPC cement @ 180 kgs with 40mm and down size graded granite metal coarse aggregates @ 0.85 cum and fine aggregates @ 0.57 cum machine						

Jadha

Serial No.....

Name of work.....

Name of Contractor of nature of Agency

Date of commencement of work.....

Date	Full description, etc, of work
1	2
	mixed concrete laid in compacted in foundation labours HOM & machine CC drain Rls church Bellerde Ganganna Gudi
	CC Road

dth	Depth 6	Contents 7	Reference to last Measurement 8
00	1·00	30·00	
00	1·00	30·00	
00	1·00	22·00	
5·0)	0·10	15·15	
00	0·10	15·25	
00	0·10	9·00	
·00	1·20	29·76	
00	1·20	14·40	
00	1·20	14·16	
		296.60 m³	
e Rs.	83·16/m³		24665=00

Jadhav

ment concrete 1:4:8 AE
ownsize crushed granite
gregates e 0·57 cy machine

Measurement Book No. A/10 192242

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	mixed concrete laid in layers not exceeding 15cms thick well compacted in foundation and plinth including cost of all materials labours TOM & machine curing etc complete as per specification						
	cc drain Rts Church	1	30·00	1·00	0·15	4·50	
	Balleicle Gangamma Gudi	1	30·00	1·00	0·15	4·50	
		1	30·00	1·00	0·15	4·50	
		1	30·00	1·00	0·15	4·50	
		1	30·00	1·00	0·15	4·50	
		1	30·00	1·00	0·15	4·50	
		1	22·00	1·00	0·15	3·30	
	cc Road	1	30·00	(5·1+5·0)	0·15	22·73	
		1	30·50	5·00	0·15	22·88	
		1	18·00	5·00	0·15	13·50	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Culvert	2	6.20	2.00	0.15	3.72	
		1	6.00	2.00	0.15	1.80	
		1	5.90	2.00	0.15	1.77	
						94.98 m³	
						ER 5070.66/m³	481606=00
	Measurement continued on: 02.09.2016					Jadhav AE	
3)	Providing and constructing granite / trap / balast size stone masonry in foundation with cement mortar 1:6 stone hammered dressed in course not less than 20 cms high bond stone at 2m apart in each course including cost of materials, labours curing etc complete as per specification.						
	Culvert	2x2	6.20	0.60	0.90	13.39	
		2	6.00	0.60	0.90	6.48	
		2	5.90	0.60	0.90	6.37	

Serial No.....

Name of work.....

Name of Contractor of nature of Agenc

Date of commencement of work.....

Date	Full description, etc, of work
1	2
4)	Providing flush pointing stone masonary with cem to depth 20mm nicely lin etc complete as per spec

T BOOK

sions		Contents	Reference to last Measurement
Breadth 5	Depth 6	7	8
2·00	0·15	3·72	
2·00	0·15	1·80	
2·00	0·15	1·77	
		94.98 m³	
		@ Rs. 5070.60/m³	481606=00
		Jadhav AE	

dinued on: 02.09.2016

ap/ ballast size stone
ar 1:6 stone hammered
h bond stone at 2m apart
abours curing etc complete

0·60	0·90	13·39
0·60	0·90	6·48
0·60	0·90	6·37

M.A.R. 57 (Rule 116)

Measurement Book No. A/10 192243

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
						25.92 m³	
				@ Rs.	4135.32/m³		107188=00
							Jadhav AE
	4) providing flush pointing to square rubble, coursed or uncoursed stone masonry with cement mortar 1:4 20mm deep after raking joints to depth 20mm nicely lining including cost of materials, labours curing etc complete as per specification						
		2x2	6.20	-	0.90	22.32	
		2	6.00	-	0.90	10.80	
		2	5.90	-	0.90	10.62	
						43.20 m²	4152=00
				Jadhav AE	@ Rs. 96.12/m²		

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		Measurement continued on: 28.09.2016					
5)	providing and laying cement concrete using 20mm and down size granite jelly of ready mix concrete (RMC) for R.C.C works laid in 15cm thick layers and well compacted vibrating, curing, finishing with necessary cement mortar form work and scaffolding to withstand pumping of concrete with all lead and lift etc complete (exclusive of cost of steel and fabrication charges) Ready mixed cement concrete M-20 (1:1.5:3) for raft foundation, columns footing and retaining seams etc complete.						
	CC Drain Bottom	1	30.00	0.90	0.15	4.05	
		1	30.00	0.90	0.15	4.05	
		1	30.00	0.90	0.15	4.05	
		1	30.00	0.90	0.15	4.05	
		1	30.00	0.90	0.15	4.05	
		1	30.00	0.90	0.15	4.05	
		1	22.00	0.90	0.15	2.97	
	Side wall	2	30.00	0.15	0.65	5.85	
		2	30.00	0.15	0.60	5.40	
		2	30.00	0.15	0.60	5.40	
		2	30.00	0.15	0.60	5.40	
		2	30.00	0.15	0.60	5.40	

Serial No.....

Name of work.....

Name of Contractor of nature of Ag

Date of commencement of work...

Date	Full description, etc, of wor
1	2
	culvert bleow sla
6)	Providing TMT steel cutting, bending, hook wherever required in m members wherever ne walls shall not be m

...OOK

...s		Contents	Reference to last Measurement
...eadth 5	Depth 6	7	8
...ntinued on: 28.09.2016			
...mm and down size			
...R.C.C works laid in 15cm			
...ing, finishing with			
...ity to withstand pumping			
(exclusive of cost of steel			
...oncrete M-20 (1:1.5:3) for			
beams etc complete.			
0.90	0.15	4.05	
0.90	0.15	4.05	
0.90	0.15	4.05	
0.90	0.15	4.05	
0.90	0.15	4.05	
0.90	0.15	4.05	
0.90	0.15	2.97	
0.15	0.65	5.85	
0.15	0.60	5.40	
0.15	0.60	5.40	
0.15	0.60	5.40	
0.15	0.60	5.40	

M.A.R. 57 (Rule 116)

Measurement Book

No. A/10 192244

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Culvert bleow slab C/F	2	30.00	0.15	0.55	4.95	
		2	22.00	0.15	0.55	3.63	
		2	6.20	1.80	0.23	5.13	
		2	6.00	1.80	0.23	2.48	
		1	5.90	1.80	0.23	2.44	
						72.94 M³	
				@Rs. 6332.04/M³		Sadhoo	461859=00
	6) Providing TMT steel reinforcement for R.C.C work including straightening cutting, bending, hooking, placing in position lapping and/or welding wherever required tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid TMT BAR FE 500 etc complete						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		Qty as per	premeasurement Recorded vide payment				
		192295	gms MBI'D			5.47 Tonne	
						@ Rs 59327.91/Tonne	324524=00
							Badhai AE
7)	Providing and removing centering, shuttering, strutting propping etc and removal of form work for vertical surface such as walls at any thickness including attached pilasters buttresses plinth and string course complete material labour etc complete as per specification.						
	CC Drain side walls	4	30.00	-	0.60	72.00	
		4	30.00	-	0.60	72.00	
		4	30.00	-	0.60	72.00	
		4	30.00	-	0.60	72.00	
		4	30.00	-	0.60	72.00	
		4	30.00	-	0.60	72.00	
		4	22.00	-	0.60	52.80	
	Culvert Bottom	2	6.20	0.60	-	7.44	
		2	6.00	0.60	-	3.60	

Serial No.....

Name of work.....

Name of Contractor of nature of Agency....

Date of commencement of work.....

Date	Full description, etc, of work	N
1	2	
	CC Drain side walls	
8)	Providing granite slab ... cement concrete mortar (1:6) as per specification	

BOOK

ns		Contents	Reference to last Measurement
readth 5	Depth 6	7	8
ment Recorded vide payment			
MB 1/5 [illegible]		5.47 Tonne	
		=	
		Rs 59327.91/Tonne	324524=00
			Jadhav AE
struting propping etc and			
s walls at any thickness			
sting course coat &			
-	0.60	72.00	
-	0.60	72.00	
-	0.60	72.00	
-	0.60	72.00	
-	0.60	72.00	
-	0.60	72.00	
-	0.60	52.80	
-	0.60	7.44	
0.60	-		
0.60	-	3.60	

M.A.R. 57 (Rule 116)

Measurement Book

No. A/10 192245

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	C+F+C Mawas	1	5.90	0.60	-	2.71	
		2x2	6.20	-	0.23	5.70	
		2	6.00	-	0.23	2.76	
		1	5.90	-	0.23	2.71	
		4x2	1.80	-	0.23	3.31	
						508.75 m²	
					Rs. 306.72/m²		156044=00
8)	Providing granite slab of selected quality roughly dressed and fixed in cement concrete mortar (1:6) including curing etc complete 7 cm thick as per specification	1	30.00	0.90	-	27.00	
		1	30.00	0.90	-	27.00	

Jadhav AE

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	30.00	0.90	-	27.00	
		1	30.00	0.90	-	27.00	
		1	30.00	0.90	-	27.00	
		1	30.00	0.90	-	27.00	
		1	22.00	0.90	-	19.80	
						180.10 m²	
					@ Rs.	642.60/m²	115668=00
	9) providing chamfering edges to stone slab 2.5cm wide as per specification (only chamfered length shall be recorded) etc complete as per specification.						Jadhav AE
		333	3.00	-	-	1000 m	
					@ Rs.	35.64/m	35640=00
	10) providing two line dressing to granite stone slab / granite stone masonary as per specification etc complete as per specification						Jadhav AE

C4F Mehwood

M.

Serial No.....

Name of work.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Num
1	2	3
		9th c
	11) providing and laying plain cem @ 240 kgs with 20mm and down @ 0.878cm and fine aggregates @ layers not exceeding 15cm thick cills including cost of materials	
	CC Drain covering slab Slop	

14/11

T BOOK

sions		Contents	Reference to last Measurement
Breadth 5	Depth 6	7	8
0.90	-	27.00	
0.90	-	27.00	
0.90	-	27.00	
0.90	-	27.00	
0.90	-	19.80	
		180.00 m²	
@ Rs. 642.60/m²			115668=00
			Jadhav AE
5cm work as per specification complete as per specification.			
-	-	1000 m	
@ Rs. 35.64/m			35640=00
			Jadhav AE
ne slabs / granite stone per specification			

M.A.R. 57 (Rule 116)

Measurement Book No. A/10 192246

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Qty as per Item No. 8 above					180.00 m²	
	@ Rs.				924.48/m²		166406=00
							Jadhav AE
11)	providing and laying plain cement concrete of mix 1:2:4 with cement @ 240 Kgs with 20mm and down size graded granite metal coarse aggregates @ 0.87 Cum and fine aggregates @ 0.45 Cum machine mixed concrete laid in layers not exceeding 15cm thick well compacted in foundation plinth and cills including cost of materials labours etc complete as per specification						
	CC Drain covering Slab & Slop	1	30.00	0.30	0.10	0.90	
		1	30.00	0.30	0.10	0.90	
		1	30.00	0.30	0.10	0.90	
		1	30.00	0.30	0.10	0.90	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Culvert	1	30.00	0.30	0.10	0.90	
	Checked	1	30.00	0.30	0.10	0.90	
	10.11.16	1	22.00	0.30	0.10	0.66	
		2	6.20	1.80	0.10	2.23	
		1	6.00	1.80	0.10	1.08	
		1	5.90	1.80	0.10	1.06	
		2x2	6.20	0.90	0.15	3.35	
		2	6.00	0.90	0.15	1.62	
		2	5.90	0.90	0.15	0.78	
						16.80 m³	
						@ R. 5490.72/m³	92244=00
	Measurement continued on: 28.10.2016					Sadhav AE	
12)	Cement concrete pavement, construction unreinforced plain cement concrete pavement thickness as per design over a prepared sub base with 43 grade cement or any other type as per clause 1051.2.2 M20/M30 at 380/450 kg per cum, coarse and fine aggregates not exceeding 25 mm						

Serial No.....

Name of work.....

Name of Contractor of nature

Date of commencement of wo

Date	Full description, etc, o
1	2
	mixed in a conc... appropriate weigh... bitumen sizes form ... thick polythene ... work as per draw...

BOOK

ons		Contents	Reference to last Measurement
Breadth 5	Depth 6	7	8
0·30	0·10	0·90	
0·30	0·10	0·90	
0·30	0·10	0·66	
1·80	0·10	2·23	
1·80	0·10	1·08	
1·80	0·10	1·06	
	Av 0·15	3·35	
0·90		1·62	
0·90	0·15	0·78	
0·90	0·15		
		16·80 m³	
CR. 5490·72/m³			92244=00

ontinued on: 28.10.2016 Jadhav AE

reinforced plain cement
er a prepared sub base with
lause 1051.2.2 M20/M30
regates not exceeding 25 mm

M.A.R. 57 (Rule 116)

Measurement Book No. A/10 192247

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	mixed in a concrete mixer of not less than 0·6 cum capacity and appropriate weigh batcher as per approved mix design laid in approved layers over form work (steel channel, laying and fixing of 125 micron thick polythene film wedges steel plates including leveling the form work as per drawing) etc complete as per specification						
		1	30·00	(5·1+5·0) / 2	0·125	18·94	
		1	30·50	5·00	0·125	19·06	
		1	18·00	5·00	0·125	11·25	
						48·75 m³	
					CR. 5282·68/m³		257774=00

Jadhav AE

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	13) Vacuum De-watering with vacuum pump and suction mat and compaction with skin floater clubbed with floating crane including cost of generator HOM of machinery screed vibrating, power floater blade and crane etc with all lead and lift. etc complete as per specification						
		1	30.00	(5.1+5.0)	-	151.50	
		1	30.50	5.00	-	152.50	
		1	18.00	5.00	-	90.00	
						375.00 m²	
					@ Rs. 97.20/m²		36450.00
							Jadhav AE
	14) Lead for disposal of debris shall be payable at carriage rates by mechanical means including loading and unloading etc complete as per specification						
		Qty as per Item No. (1)				266.94 m³	
					@ Rs. 106.32/m³		28386.00

Serial No.....

Name of work.....

Name of Contractor of nature of Agenc

Date of commencement of work.....

Date	Full description, etc, of work
1	2
	certificate:
	certified th
	Jadhav AE 28/10/

BOOK

ns		Contents	Reference to last Measurement
readth 5	Depth 6	7	8
nd suction work and floating cutter including vibrator, power floater etc complete as per			
(+5·0)	–	151·50	
5·00	–	152·50	
5·00	–	90·00	
		375·00 m²	
@ Rs. 97.20/m²			36450=00
able at carriage rates by enhancing etc complete			
①		266.94 m³	
@ Rs. 106.32/m³			28386=00

M.A.R. 57 (Rule 116)

Measurement Book

No. A/10 192243

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
				Sub total			~~106~~ 2292~~92~~=00
				12RID2 charges @ 8%			183409=00
				~~Add~~		+1%	22925-00
				Grand total			~~2475999=00~~ 2498830-
	certificate: certified that the above work done is satisfactorily. Zadhav AE 28/10/16						Zadhav AE 28/10/16

Zadhav
AE 28/10/16

MEASUREMENT BOOK

BR/632/28-

Serial No.....

Name of work.....

Name of Contractor of nature of Age

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
			Sketch showing the work done spot:				
			202.00 sqm			- Covering with RS covering Slab	
						Gangamma Church	
			Ramachandrapura Road				

Zadhav
AE

Date	Full description, etc, of work
1	2
	ಬಿಲ್ಲು ಮೊಬಲಗು ರೂ. 24 ಗಣ್ಯ ಶ್ರಮವು ಮಾಡಿದ: ಇದರಲ್ಲಿ ಹೊಂದಾಗಿಕೆ ಮಾಡಿಕೊಂಡು ಉಳಿ ರೂ. 21.78,076- ಕಳೆ ಮುಖಾಂತರ ನೀಡಲಾಗಿದೆ ಲೆಕ್ಕಾಧೀಕ್ಷಕರು ಬ್ಯಾಡರಾಯನಪುರ ಮಾಗ ಬಿ. ಬಿ. ಎಂ. ಪಾ

OK

ith	Depth 6	Contents 7	Reference to last Measurement 8
The	work done spot:		
202.00m		CC Drain with RS covering Slab	
		Gangamma Church	
pura Road			

BR/632/28-11-16

M.A.R. 57 (Rule 116)

Measurement Book

192219

No. A/10

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	ಬಿಲ್ಲು ಮೊಬಲಗು ರೂ 24,98,830-೦ ಗಳ ಪ್ರಮಾಣ ಮಾಡಿದ್ದು: ಇದರಲ್ಲಿ ರೂ 3,20,754-೦ ಹೊಂದಾಣಿಕೆ ಮಾಡಿಕೊಂಡು ಉಳಿದ ಮೊಬಲಗು ರೂ 21,78,076-೦ ಸಕ್ಕ ಮುಖಾಂತರ ನಿಮಗಾಗಿದೆ ಲೆಕ್ಕಾಧೀಕ್ಷಕರ ಮ್ಯಾಸರಾಯನದುರ್ಗ ರಸ್ತಾ ಪ್ಯ. ಪಂ. ಮಟ					Total: A: 24.98.830-೦ IT- 49977-೦೦ VAT- 99953-೦ Cess- 24988-೦ CBP- 2499-೦ FSD- 24942-೦ LR 18395-೦ Adj. 320754-೦ Cheque 21,78,076-೦	
					30/11/16		